Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, email

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VBA Script:

Sub Stock\_Market()

'Create the headings

Range("I1").Value = "Ticker Symbol"

Range("J1").Value = "Yearly Change"

Range("K1").Value = "Percent Change"

Range("L1").Value = "Total Stock Volume"

'Declare variables and start value

Dim Ticker As String ' Ticker Symbol

Dim YeaDiff As Double 'Yearly Change

Dim Summary\_Table\_Row As Integer

Summary\_Table\_Row = 2

Dim Open\_Price As Double

Open\_Price = Cells(2, 3).Value

Dim Close\_Price As Double

Dim Percentage\_Change As Double

Percentage\_Change = 0

Dim Total\_Volume As Double

Total\_Volume = 0

Dim lastrow As Long

lastrow = Cells(Rows.Count, 1).End(xlUp).Row

'Loop through all tickers

For i = 2 To lastrow

If Cells(i + 1, 1).Value <> Cells(i, 1).Value Then ' different ticker symbols

Ticker = Cells(i, 1).Value

Close\_Price = Cells(i, 6).Value

YearDiff = Close\_Price - Open\_Price

Total\_Volume = Total\_Volume + Cells(i, 7).Value

If Open\_Price <> 0 Then

Percentage\_Change = YearDiff / Open\_Price

Columns("K").NumberFormat = "0.00%"

End If

'Print

Range("I" & Summary\_Table\_Row).Value = Ticker

Range("J" & Summary\_Table\_Row).Value = YearDiff

Range("L" & Summary\_Table\_Row).Value = Total\_Volume

Range("K" & Summary\_Table\_Row).Value = Percentage\_Change

Total\_Volume = 0

If YearDiff > 0 Then

Range("J" & Summary\_Table\_Row).Interior.ColorIndex = 4

Else

Range("J" & Summary\_Table\_Row).Interior.ColorIndex = 3

End If

Summary\_Table\_Row = Summary\_Table\_Row + 1

Open\_Price = Cells(i + 1, 3).Value

'If the cell immediately following a row is the same brand

Else

Total\_Volume = Total\_Volume + Cells(i, 7).Value

End If

Next i

End Sub